Toad™ for SQL Server® Suites 6.5

Installation Guide

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Toad for SQL Server Suites Installation Guide
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1

Toad™ Suites

By purchasing one of the Toad™ for SQL Server® Suites, you have obtained not only a powerful SQL Server application development tool, but other tools to help you maintain and develop your SQL Server database applications.

This guide is an executive overview of the Toad for SQL Server Suites. It provides basic information about installing the products, including system requirements and the use of the Dell® Software Installer. See the specific Installation Guide for each product for more information about each application, including troubleshooting information.

Each Toad for SQL Server Suite is packaged with additional Dell products to expand your SQL Server experience. The following suites are available:

Toad for SQL Server Commercial

- Toad for SQL Server
- SQL Optimizer for SQL Server

Toad Development Suite for SQL Server Commercial

- Toad for SQL Server
- SQL Optimizer for SQL Server
- Benchmark Factory™ for Databases
- Toad Data Modeler

Toad DBA Suite for SQL Server Commercial

- Toad for SQL Server
- SQL Optimizer for SQL Server
- Benchmark Factory for Databases
- Toad Data Modeler
- Spotlight™ on SQL Server Standard Edition

Notes:

- Your license key determines the suite and will enable the functionality accordingly. In many cases, if functionality is disabled within Toad for SQL Server Suite, you may not have an appropriate license to use it. When Toad is running, you can see which components are licensed by selecting **Help | About**.
- Toad DBA Suite for SQL Server is currently unavailable in North America.

System Requirements

Client Requirements

Before installing Toad, ensure that your client system meets the following minimum hardware and software requirements:

Platform	600 MHz minimum, 1 GHz recommended **Requirements**: • Benchmark Factory requires 1 GHz x86 or x64 compatible CPU. • Spotlight on SQL Server requires 2 GHz Pentium Dual Core. • Toad Data Modeler requires Pentium IV.
Memory	512 MB of RAM minimum, 1 GB recommended **Requirements:** • Toad Data Modeler 4 GB recommended • Spotlight on SQL Server 2 GB minimum **Note:** The memory required may vary based on the following: • Applications that are running on your system when using Toad • Size and complexity of the database • Amount of database activity • Number of concurrent users accessing the database
Hard Disk Space	**By Toad Suite** • Toad for SQL Server—174 MB • Toad Development Suite for SQL Server—294 MB • Toad DBA Suite for SQL Server—954 MB **By Product** • Toad for SQL Server Professional, Xpert—104 MB • SQL Optimizer for SQL Server—70 MB • Benchmark Factory – SQL Server Edition—120 MB • Toad Data Modeler—200 MB minimum, 400 MB recommended • Spotlight on SQL Server Standard Edition—500 MB
Operating System	Windows Server® 2008 (32-bit or 64-bit) Windows Server 2003 (32-bit and 64-bit)

	• Toad Data Modeler running on Windows Server 2003 requires Service Pack 2. Windows® 8 (32-bit and 64-bit) • Toad Data Modeler supports Windows 8 PRO. Windows 7 (32-bit or 64-bit) Windows Vista® (32-bit or 64-bit) **Additionally** Windows Server 2008 R2 (64-bit) • Toad for SQL Server • SQL Optimizer for SQL Server • Toad Data Modeler • Spotlight on SQL Server Windows Server 2012 R2 • SQL Optimizer for SQL Server supports Windows Server 2012 R2 (with Update) • Spotlight on SQL Server Windows Server 2012 • SQL Optimizer for SQL Server • Benchmark Factory • Spotlight on SQL Server Windows 8.1 • SQL Optimizer for SQL Server supports Windows 8.1 Enterprise (with Update) (32-bit and 64-bit) • Benchmark Factory and Spotlight on SQL Server support Windows 8.1 (with Update). • Toad Data Modeler supports Windows 8.1 PRO (64-bit). Windows XP Professional (32-bit or 64-bit) • Toad for SQL Server • SQL Optimizer • Benchmark Factory • Spotlight running on Windows XP requires Service Pack 2 or later **Requirements:** • The 32-bit version of Benchmark Factory requires the 32-bit versions of the client libraries (including ODBC drivers). The 64-bit version requires 64-bit client libraries.

<table>
<tr><td></td><td>Important: Toad uses the Microsoft Distributed Transaction Coordinator (DTC) when opening a SQL file to get Full-Text Search status, but DTC is disabled by default on Windows Vista, Windows Server 2008 and Windows 7. If you are using either operating system, ensure that Network DTC access is enabled on the Toad client. See http://technet.microsoft.com/en-us/library/cc753510(WS.10).aspx for more information about enabling DTC access.</td></tr>
<tr><td>.NET Framework</td><td>The Microsoft .NET Framework is required. The version is dependent on the operating system.<table><tr><td>.NET 4.5</td><td>Windows Vista SP2, Windows 7, Windows 8, Windows Server 2008 (SP2 or earlier), Windows Server 2008 R2, Windows Server 2012</td></tr><tr><td>.NET 4.0</td><td>Windows XP, Windows Vista (SP1 or earlier), Windows Server 2003
Note: The .NET Framework 4 Client Profile is not supported.</td></tr></table></td></tr>
<tr><td>Additional Requirements</td><td>Web Browser
Microsoft® Internet Explorer® 7.0 or later
Log Reader
The Log Reader requires version 8.0 DLL files in the Microsoft Visual C++ 2005 SP1 Redistributable Package. If these files do not exist on the client, you will need to install them to use some functionality in the Log Reader. http://www.microsoft.com/downloads/details.aspx?FamilyID=200B2FD9-AE1A-4A14-984D-389C36F85647&displaylang=en
Copy/Move Database Wizard
The SQL Server Backward Compatibility package is required to use the Copy/Move Database wizard.
PDF Viewer
Adobe® Acrobat® Reader 7.0 or later.
Monitor Resolution
Spotlight on SQL Server requires a monitor capable of supporting a resolution of 1280 x1024 or greater.
Microsoft Data Access Components (MDAC)
Spotlight on SQL Server requires MDAC 2.7 (or later) installed on the client.
Repository
Benchmark Factory cannot run without a repository, and during installation you must select either the default service based or file based repository. For more information see the Benchmark Factory Release Notes.</td></tr>
</table>

Server Requirements

Before installing Toad, ensure your system meets the following minimum hardware and software requirements:

Database Server	SQL Server® 2014 SQL Server 2012 and SQL Server 2012 Express SQL Server 2008 and SQL Server 2008 Express SQL Server 2005 (Service Pack 2 or later) and SQL Server 2005 Express SQL Server 2000 (Service Pack 3 or later) **Note:** The following features are not available in Toad for SQL Server running on SQL Server 2000: • Index Defragmentation • Storage Management • Performance Monitor • Spotlight™ Essentials Performance Analytics • Altering procedures, functions, views in the Editor • Version Control **Requirements and exceptions:** • SQL Server Compact Edition is not supported. • SQL Optimizer does not support SQL Server 2012 Express. • Toad for SQL Server, Benchmark Factory and Spotlight explicitly support SQL Server 2008 R2 and SQL Server 2008 R2 Express.
Cloud Database Service	SQL Azure **Note:** To be able to utilize majority of Toad functionality please grant VIEW DEFINITION on the SQL Azure databases you want to work with. **Limitations:** • Benchmark Factory provides limited support of SQL Azure.

Virtualization Support

Application Virtualization	Toad for SQL Server - Limited testing has been performed for: • Citrix® XenApp™ 5.0 on Windows Server 2003 and Citrix XenApp 6.5 on Windows Server 2008 R2. • Citrix support on Windows Server 2003 Enterprise Server

	(Service Pack 2) using the MetaFrame Presentation Server 5.0 and Citrix Presentation Server Clients 10.2. SQL Optimizer has been tested with: • Citrix XenApp 5.0 on Windows Server 2003 (Service Pack 2) using the Citrix Presentation Server Clients 4.0 • Citrix XenApp 6.5 on Windows Server 2008 R2. Benchmark Factory has been tested with the following: • Citrix XenApp 6.5 Toad Data Modeler has been tested with: • Citrix support on Windows XP using the XenApps 5.0 Server.
Desktop (VDI)	Toad for SQL Server has been tested with Dell® vWorkspace™ 7.6 running on Windows Server 2008 R2 64-bit. Toad Data Modeler has been tested with Dell vWorkspace 7.0 running on Windows XP (32-bit).
Server	Toad Data Modeler has been tested with VMware Server 2 running on Windows 7 and Oracle VM 3.0
Note: Toad may work in virtualization environments other than the ones in which it was tested.	

User Requirements

User Requirements to Install Toad

Only Windows Administrators and Power Users can install Toad.

If an Administrator installs Toad, the Administrator can share the Toad shortcut icon on the desktop and menu items with any user—a Power User, Restricted User, Vista standard user—on the computer.

If a Power User installs Toad, a Restricted User cannot do the following:

- Associate file extensions.
- View the Toad shortcut icon on the desktop or the Toad menu options in the Windows Start menu. As a workaround, Restricted Users can create a shortcut to Toad from the install directory and place the shortcut on their desktop.

User Requirements and Restrictions for Running Toad

The following describes the requirements and restrictions for users who launch and run Toad:

- To create or modify the QuestSoftware.ToadSecurity table to enable Toad Security, the user who maintains this table must have privileges to create, insert, update, and delete it. All other users need only the ability to read the QuestSoftware.ToadSecurity table to use Toad Security features.

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Installation

Note: Your license key determines the suite and will enable the functionality accordingly. In many cases, if functionality is disabled within Toad for SQL Server Suite, you may not have an appropriate license to use it. When Toad is running, you can see which components are licensed by selecting **Help | About**.

You can install any or all of the products that are included in your Toad suite using the Dell Software Installer.

To install a Toad suite

1. Run the Toad suite installation program.
2. Accept the License Agreement.
3. Select the products you want to install and click **Install**.

   Caution! When installing Toad using Dell Software Installer on Windows 7 64-bit, Program Compatibility Assistant may appear with "This program might not have installed correctly" message. Select **This program installed correctly** to continue installation.

   Note: For more information on Suite products or Toad components see corresponding *Installation Guides*.

Install Toad on Citrix® Systems

Toad for SQL Server must be installed on the Citrix server by the Citrix administrator. Users then connect to this instance through their Citrix login.

Note: Limited testing has been performed for Citrix XenApp™ 5.0 support on Windows Server® 2003 and Citrix XenApp 6.5 on Windows Server 2008 R2.

To install Toad for SQL Server on a Citrix system

1. Connect to the Citrix Environment as an administrator.
2. Copy Toad for SQL Server to the Citrix server, if needed.
3. Start the Toad for SQL Server installation process.
4. During installation, select the **Anyone who uses this computer** checkbox when prompted.

5. Repeat steps 2 through 4 for each server in the Citrix farm.

   Note: Although you must install Toad for SQL Server on every server in the Citrix farm, you only need to publish Toad for SQL Server once.

6. Review the following considerations regarding licensing:

   - A license supplied by an administrator always overrides a user-supplied license in a Citrix environment.
   - If you need to provide the same Toad for SQL Server functionality to all users, you can enter the default license key for all users.
   - If you have users with different license requirements (for example, some have Standard licenses and others have Professional licenses), individual licenses should be entered for each user. You should not enter the default license key because it enables all functionality in Toad for SQL Server.

Licensing

To enter your license key

1. Select **Help | Licensing** from the menu (ALT+H+L).
2. Review the following for additional information:

Authorization key	Enter the license key for Toad for SQL Server.
Site message	Enter the site message included with the license key.

Note: Your license key determines the edition of Toad for SQL Server (Pro, Xpert, etc.) and will enable the functionality accordingly. In many cases, if functionality is disabled within Toad for SQL Server, you may not have an appropriate license to use it. When Toad is running, you can see which components are licensed by selecting **Help | About**. For complete list of features shipped with your Toad edition see http://software.dell.com/.

Notes for Toad for SQL Server Users

Trial Keys

The commercial version of Toad for SQL Server comes pre-installed with a trial license key for your convenience. This allows you to use the application while waiting for your commercial key to be delivered.

The trial license key remains active for the designated trial period, even after you enter your commercial license key (the splash screen may continue to indicate your application is a trial version). This is helpful if you are previewing an upgrade or an advanced module.

Important: When installing commercial Toad for SQL Server bundle after trial Toad for SQL Server bundle, the commercial bundle recognizes a license key from the trial bundle and expires the same date as the trial bundle's key. To continue working with the commercial bundle please input a valid (commercial or new trial) license key.

If you entered your commercial license key and do not require the trial version, you can delete the trial key.

Important: If you delete the Trial key, any advanced features not included in your purchased edition will be disabled.

To delete a trial key

1. Select **Help | Licensing**.
2. In the Toad Licensing dialog, find the License tab for the trial license key and click **Delete License** to delete the trial key.

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Silent Installation

Silent installation provides a convenient method for deploying Toad for SQL Server Suites to multiple machines. With some customization, you can also deploy the license key and settings at the same time. To perform a silent install, extract the .msi from the Dell Software Installer and use this for a silent install.

Note: You do not need to install the Dell Software Installer on any of the computers where you are silently installing Toad products. The Dell Software Installer is only used to extract the required MSI files.

Extract MSI file from Dell Software Installer

The Dell Software Installer can be launched in "extraction mode," which allows you to extract MSI installers.

To launch the Dell Software Installer in extract mode

1. Run Dell Software Installer from the command prompt and include the command-line switch "/extract".

   "*ToadInstaller.exe*" /extract

2. The Dell Software Installer launches in extract mode. In the Extract Location page, specify a target location for the extracted files by entering or browsing to a directory.
3. In the Product Selection page, select the products that you want to extract.
4. Click **Extract** to extract the files.

   The Finish page has a link to the directory into which the files were extracted and a link to the log file for the extraction process (Readme.txt). The extraction log contains verification of the files that have been extracted along with the command-line switches required for performing the default installation. You must run the installers in the order specified.

Install Toad for SQL Server Silently

Silent Installation Prerequisites

Before you perform a silent installation, you must install the following software on every computer where you are installing Toad for SQL Server:

- Microsoft .NET Framework (as per the *Toad for SQL Server Release Notes*)

Silent Installation Using the Microsoft Installer

You can create a Microsoft transform (.mst) file that deploys the license key, custom settings, and connections for users when performing a silent install using the .msi file. You can also use the .msi file to perform a basic silent install using the default directory or can install to a different directory and specify command-line options and default installation overrides. See "Perform Silent Installation Using MSI" (page 16) for more information if you are not creating a transform file.

Note: (MSI installs on Windows Vista and Windows 7) If you are using MSI to install Toad on Windows Vista or Windows 7 with UAC enabled, you can install a file that adds a "Run as administrator" option when right-clicking the MSI file: http://www.symantec.com/connect/downloads/msi-run-administrator-context-menu-vista

Perform Silent Installation Using MSI

To perform a silent install using msi

1. Extract the MSI from the Dell Software Installer. See "Silent Installation" (page 15) for more information.
2. At a Windows command prompt, switch to the drive or directory where the msi installer for Toad is located.
3. For a standard installation with all features enabled, enter the following command:

   ```
   "ToadInstaller.msi" /q
   ```

   You can customize command-line options and overrides for your installation similar to the following:

   ```
   msiexec /i "ToadInstaller.msi" INSTALLDIR= "Drive:\your_install_
   path" /q USERNAME="some_user" COMPANYNAME="your_company"
   ApplicationUsers="AllUsers"
   ```

   Command-Line Options

   The following MSIEXEC command-line options are used in this example:

Option	Description
/i	Run the installation.
/q	Specify the user interface (UI) that displays during installation. You can append other options, such as *n* to hide the UI or *b* to hide the Cancel button during the installation.
Note: All command-line options are case-insensitive. See http://msdn2.microsoft.com/en-us/library/aa367988.aspx for a complete list of command-line options.	

Toad for SQL Server Default Installation Option Overrides

You can specify the following values to override Toad for SQL Server's default installation options. Enclose each value in double quotations.

Option	Description
INSTALLDIR	(Optional) Specify the absolute path for the directory in which you want to install Toad for SQL Server. If you do not include this path, the installation program defaults to: C:\Program Files (x86)\Dell\Toad for SQL Server6.5.
ALLUSERS	(Optional) Specify one of the following: • For a per-machine installation, specify *1*. This value allows any user to use the Toad for SQL Server shortcut on the desktop after the installation completes. • For a per-user installation, enter the empty string value (“”) This value allows only the user specified for USERNAME (and the user that installed Toad for SQL Server) to see the Toad for SQL Server shortcut on the target desktop. If USERNAME is omitted, only the user that installed Toad for SQL Server sees the shortcut. **Note:** If you do not specify this property, the installation program defaults to a per-user installation.
USERNAME	(Optional) Specify the user that intends to use Toad for SQL Server on the target computer. **Notes:** • If ALLUSERS is omitted or defined with the empty string value (""), only the user specified here (and the user that installed Toad for SQL Server) can see the Toad for SQL Server shortcut on the desktop after the installation completes. • If ALLUSERS is omitted or defined with the empty string value ("") *and* you omit the USERNAME option, only the user that installed Toad for SQL Server sees the Toad for SQL Server shortcut on the desktop. • If ALLUSERS is *1*, the USERNAME value is ignored during installation.
COMPANYNAME	(Optional) Specify the name of the company that owns this installation.

Option	Description
INSTALLSSMS	(Optional) Set the property to "No" not to install Toad plug-in for Microsoft SQL Server Management Studio. **Note:** If you do not specify this property or specify any other value except "No", Toad plug-in for Microsoft SQL Server Management Studio will be installed.
Notes: • All default installation option overrides are case-sensitive. • Enclose all values (except for the ALLUSERS value) in double quotations.	

Create Transform (MST) Files

You can create a Microsoft transform (.mst) file that deploys the license key, custom settings, and connections for users when performing a silent install using the .msi file. You can also use the .msi file to perform a basic silent install using the default directory (or install to a different directory) and to specify command-line options and default installation overrides. See "Perform Silent Installation Using MSI" (page 16) for more information if you are not creating a transform file.

Note: (MSI installs on Windows Vista and 7) If you are using MSI to install Toad on Windows Vista or 7 with UAC enabled, you can install a file that adds a "Run as administrator" option when right-clicking the MSI file: http://www.symantec.com/connect/downloads/msi-run-administrator-context-menu-vista.

The following procedure uses the Wise Installer to create the transform file.

To create a transform file that includes custom Toad settings

1. Save and install the *ToadInstaller.msi* file on a computer where the Wise for Windows Installer is installed. After customizing Toad settings, you will use the Wise Installer to create the transform file.
2. Open Notepad, and do the following:
   a. Enter the license key in the first line.
   b. Enter the site message in the second line.
   c. Save the file with **license.key** as the file name in the Toad install directory. Make sure the file extension is ***.key*** not .txt.
3. Launch Toad. The application should open without prompting you to enter a license key.
4. Select **Tools | Configuration Wizard** from the Toad menu and complete the Configuration wizard. This wizard creates an initial settings file (Settings.xml).
5. Select **Tools | Options** from the menu in Toad to open the Options window.
6. Select each page in the window and set any options you want to deploy. These

options create a module settings folder and files.

7. Select **View | Connection Manager** from the menu in Toad to open the Connection Manager.
8. Create any connections you want to deploy.
9. Exit Toad. Upon exiting, a Connections file is created.
10. Create the Microsoft Transform file, using any appropriate tool. The following steps describe how to use the Wise for Windows Installer to create the file.
    a. Select **File | New**.
    b. Select *Custom Templates* under **Categories**, and then select the *Transform* template in the New Installation File window.
    c. Select the ToadInstaller.msi file in the Select the .MSI file to base this transform on window.
    d. Save the project.
    e. Select *Files* from the Feature Details view.
    f. Locate the following files and click **Add** to add them to the project:

File to Add	Windows XP, Windows Server 2003	Windows Vista, Windows Server 2008, Windows 7, Windows 8
Settings.xml	C:\Documents and Settings\ *username*\Application Data\Quest Software\ Toad for SQL Server6.5.	C:\Users\ *username* \AppData\Roaming\ Quest Software\Toad for SQL Server6.5.
ModuleSettings folder and files	C:\Documents and Settings\ *username*\Application Data\Quest Software\ Toad for SQL Server6.5\ModuleSettings.	C:\Users\ *username* \AppData\Roaming\ Quest Software\Toad for SQL Server6.5\ModuleSettings.
Connections.xml	C:\Documents and Settings\ *username*\Application Data\Quest Software\Toad for SQL Server6.5.	C:\Users\ *username* \AppData\Roaming\ Quest Software\Toad for SQL Server6.5.

    g. Save the project and compile it to create the transform (MST) file.
11. Perform a silent install. See "Perform Silent Installation Using MSI" (page 16) for more information.

Install Patches Silently

If you already have Toad installed and want to upgrade silently, you must include `REINSTALLMODE=vo REINSTALL=ALL` in the command. If these parameters are not included, the MSI registers that Toad is already installed and does not upgrade it.

For example, if you are currently in the directory where the MSI resides, entering the following command installs to the standard location:

```
msiexec.exe /i <path to msi file\ToadforSQLServer<version>SetupFull.msi>
REINSTALLMODE=vo REINSTALL=ALL
```

You can also set additional parameters or run the MSI from a location other than the active directory. For example:

```
msiexec /i "C:\Documents and Settings\johndoe\desktop\
ToadforSQLServerSetupFull.msi REINSTALLMODE=vo REINSTALL=ALL
INSTALLDIR="C:\Programs\Dell\Toad for SQL Server 6.5\" /q /l*v
"C:\install.log"
```

Uninstall Toad Silently

To uninstall Toad silently

» Enter a command similar to the following:

```
msiexec /x "<path to msi file\ToadforSQlServer_
version.SetupFull.msi>" /q
```

Install Suite Products Silently

Install SQL Optimizer Silently

To silently install SQL Optimizer for SQL Server in the default directory

1. Extract the MSI from the Dell Software Installer. See "Silent Installation" (page 15) for more information.
2. Enter the following command:

   ```
   msiexec./i "path to msi file\QuestSQLOptimizer_SQLServer_
   <version>.msi " /qn
   ```

   where

   /i = install

   /qn = quiet, no UI

To silently install SQL Optimizer in the alternative directory

1. Extract the MSI from the Dell Software Installer. See "Silent Installation" (page 15) for more information.
2. Enter the following command:

   ```
   msiexec /i "path to msi file\QuestSQLOptimizer_SQLServer_
   <version>.msi"/qn TARGETDIR="<InstallDir>"
   ```

Install Benchmark Factory Silently

To install Benchmark Factory silently

1. Extract the MSI from the Dell Software Installer. See "Silent Installation" (page 15) for more information.
2. Enter the following command:

   ```
   msiexec.exe /i "<path to msi file\BenchmarkFactory_version.msi>" /qn
   INSTALLDIR="<destination directory>"
   ```

   Where *version* is the full version, including the build number (for example, 6.0.0.147).

Install Spotlight Silently

Spotlight on SQL Server cannot be installed silently.

Install Toad Data Modeler Silently

To install Toad Data Modeler silently

1. Extract the MSI from the Dell Software Installer. See "Silent Installation" (page 15) for more information.
2. Enter the following command:

   ```
   setup.msi /q INSTALLDIR="C:\Program Files (x86)\Dell\Toad Data
   Modeler version\"
   ```

   The argument for the silent installation from a command-line is "/q". To specify a directory where Toad Data Modeler should be installed, use INSTALLDIR="PATH". (Otherwise, the default path is used.)

   To specify the database platform where you want to install Toad Data Modeler or which shortcuts should be created and where, use the ADDLOCAL parameter. If this parameter is not used, a default installation is performed.

Example:

```
setup.msi /q INSTALLDIR="C:\Program Files (x86)\Dell\Toad Data
Modeler version
\ADDLOCAL=Complete,XPMANIFEST,SUPPORTDATABASES,SHORTCUTUNINSTALL,SHO
RTCUTDESKTOP,SHORTCUTSTARTMENU,SHORTCUTQUICKLAUNCH,SHORTCUTHELP,
MSSQL2008,MSSQL2012
```

If you use the ADDLOCAL parameter, always select the Complete, XPMANIFEST, and SUPPORTDATABASES options. These options are required for the correct installation.

When installing support for a particular database platform, you must install basic support for the selected database platform.

Shortcuts

You can use the following to create shortcuts when installing silently:

Command	Description
SHORTCUTUNINSTALL	Creates a shortcut for uninstall in the Start menu.
SHORTCUTDESKTOP	Creates a shortcut for Toad Data Modeler on the desktop.
SHORTCUTSTARTMENU	Creates a shortcut for Toad Data Modeler in the Start menu.
SHORTCUTQUICKLAUNCH	Creates a shortcut for Toad Data Modeler in the Quick Launch bar.
SHORTCUTHELP	Creates a shortcut for the Help file, User Manual, and Reference Guide in the Start menu.

Tip: Other parameters for silent installs can be found if you enter the “setup.msi ?” command.

Microsoft SQL Azure

MSSQL_AZURE - Support for Microsoft SQL Azure

Microsoft SQL Server

MSSQL - Basic support for Microsoft SQL Server

MSSQL2000 - Support for Microsoft SQL 2000

MSSQL2005 - Support for Microsoft SQL 2005

MSSQL2008 - Support for Microsoft SQL 2008

MSSQL2012 - Support for Microsoft SQL 2012

MSSQL2014 - Support for Microsoft SQL 2014

Parameters for Silent Installations

The following parameters are available for a silent installation:

Option	Parameter	Description
/l	Package|ProductCode	Installs or configures the product.
/f	[p|o|e|d|c|a|u|m|s|v] Package|ProductCode	Repairs the product. This option ignores any property values entered in the command-line. The default argument list for this option is 'omus.' The following options are available: • p—Reinstalls only if a file is missing. • o—Reinstalls if a file is missing or an older version is installed. • e—Reinstalls if a file is missing or an equal or older version is installed. • d—Reinstalls if a file is missing or a different version is installed. • c—Reinstalls if a file is missing or the stored checksum does not match the calculated value. This option only repairs files that have msidbFileAttributesChecksum in the Attributes column of the File table. • a—Forces all files to be reinstalled. • u—Rewrites all required, user-specific registry entries. • m—Rewrites all required, computer-specific registry entries. • s—Overwrites all existing shortcuts. • v—Runs from source and re-caches the local package. Do not use this option for the initial installation of the product or feature.
/a	Package	Installs the product on the network.
/x	Package/ProductCode	Uninstalls the product.
/l	[i|w|e|a|r|u|c|m|o|p|v|x|+|!|*] Logfile	Writes logging information to a logfile in the specified path. The path to the logfile location must already exist. The installer does not create the directory structure for the logfile.

Option	Parameter	Description
		Flags indicate which information to log. If no flags are set, the default is 'iwearmo.' The following options are available: • i—Status messages. • w—Nonfatal warnings. • e—All error messages. • a—Start up of actions. • r—Action-specific records. • u—User requests. • c—Initial UI parameters. • m—Out-of-memory or fatal exit information. • o—Out-of-disk-space messages. • p—Terminal properties. • v—Verbose output. • x—Extra debugging information. Only available on Windows Server 2003. • +—Append to existing file. • !—Flush each line to the log. • "*"—Log all information except for the v and x options. To include the v and x options, enter "/l*vx".
/q	n|b|r|f	Sets the user interface level. Review the following options: • q, qn—No UI • qb—Basic UI. Use qb! to hide the Cancel button. • qr—Reduced UI with no modal dialog box displayed at the end of the installation. • qf—Full UI and any authored FatalError, UserExit, or Exit modal dialog boxes at the end. • qn+—No UI except for a modal dialog box displayed at the end.

Option	Parameter	Description
		• qb+—Basic UI with a modal dialog box displayed at the end. The modal box does not display if you cancel the installation. Use qb+! or qb!+ to hide the Cancel button. • qb- —Basic UI with no modal dialog boxes. Note that /qb+- is not a supported UI level. Use qb-! or qb!- to hide the Cancel button. **Note:** The ! option is available with Windows Installer 2.0 and works only with basic UI. It is not valid with the full UI.

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- Obtain product notifications
- Download software. For trial software, go to Trial Downloads.
- View how-to videos
- Engage in community discussions
- Chat with a support engineer

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